

EMERGENCY ACTION LEVELS (EALs)

Operational Emergency (OE) Significant degradation of safety and time-urgent response	Alert Actual or potential substantial degradation in the level of control of hazardous materials	Site Area Emergency (SAE) Actual or potential major failure of functions necessary for the protection of workers or the public
I. Fire/Explosion		
A fire or explosion causing significant property damage with confirmed or suspected personnel injury or death, OR <u>significant</u> degradation of health and safety and requiring mutual aid.	Everything in an OE plus the <u>substantial</u> degradation in the level of control over hazardous materials, such that a threat exists 100 feet down wind causing further evacuation.	Everything in an Alert together with <u>the major failure of functions necessary for the protection of workers or the public</u> , such that a threat exists at a co-located facility on site.
II. Release of radioactive material, hazardous substances, regulated pollutant, or oil		
<ol style="list-style-type: none"> Any unplanned release of a radioactive or toxic substance on site that requires an evacuation and assistance from mutual aid. Any unplanned release of hazardous material that could result in significant environmental consequences (e.g., major wildlife kills, wetland degradation, off-site aquifer contamination). Any release of toxic substance off site requiring protective actions on site by BNL personnel. Any release of 1,000 gallons or more of oil into surface waters. 	Any unplanned release of a radioactive or toxic substance on site requiring evacuation, mutual aid and protective actions in occupied buildings down wind.	
III. Vehicular/Transportation Accident (on site)		
Transportation accident involving radiological or hazardous material <u>with</u> an actual/potential release of the material requiring mutual aid and evacuation of the immediate area.	Transportation accident involving radiological or hazardous material resulting in any release to the environment requiring protective actions within 100 feet from the accident and requiring mutual aid.	
IV. Criminal Acts		
<ol style="list-style-type: none"> Kidnapping or hostage taking on site. Any confirmed sabotage event on site. Actual or potential detonation of explosive device (bomb threat). Terrorist or criminal attack at the discretion of the Incident Commander. 		

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V. Loss of Control of SNM or Classified Matter		
<ol style="list-style-type: none"> 1. Theft or loss of greater than 2 kilograms of a Special Nuclear Material. 2. Damage/destruction of a site/facility sufficient to expose classified information to unauthorized disclosure. 		
VI. General Items of Security Concerns		
<ol style="list-style-type: none"> 1. Protest, labor activities, or riots, which threaten site security. 2. An event, which requires the immediate assistance from off-site security resources due to overtaxing on-site response resources. 		
VII. Transportation Accidents (off site)		
<ol style="list-style-type: none"> 1. Transportation accident off site involving a radiological or hazardous material shipment originating from BNL with an actual/potential release requiring the establishment of a protective action zone. 2. Transportation accident off site resulting in damage to or loss of special nuclear material originating from BNL. 		
VIII. Discretionary		
In the opinion of the Incident Commander, conditions are such, or they could deteriorate to require additional support and/or notifications for an OE.		
IX. Medical and Mass Casualty Incidents		
Any non-transportation incident causing three or more people to be transported to the hospital. This includes poisoning (food or otherwise), illness, etc.		

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